

Product datasheet for MR202201

Orm1 (NM_008768) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Orm1 (NM_008768) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Orm1
Synonyms: Agp; Agp-1; Agp-2; Orm; Orm-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202201 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCTGCACACGGTTCTTATCATATTGAGCCTTCTGCCGATGTTGGAAGCTCAGAACCAGAACATG
 CCAACTTCACCATAGGCGAACCTATACCAATGAGACCCTGAGCTGGCTCTCTGACAAATGGTTTTTCAT
 GGGTGCAGCTTTCAGAAAACGAGTACAGGCAGGCAATCAAACAATGCAGAGTGAATTTTTTACCTT
 ACCACCAACTTGATAAACGACACAATAGAGCTTCGGGAGTCTCAAACAATAGGTACCAGTGTGTCTATA
 ACTCCACCATCTAGGATTCCAGAGAGAAAATGGGACCTTCTCCAAGTATGAAGGAGGAGTAGAAACCTT
 TGCCACCTTATAGTGTGAGGAAACATGGGGCCTTCATGCTTGCTTTGACCTCAAGGATGAGAAGAAA
 CGGGGACTGTCCCTCTATGCCAAAAGGCCAGATATCACCCGGAGCTGCAGGAAGTATCCAGAAGGCTG
 TCACACACGTGGGCATGGATGAATCAGAAATCATATTTGTCGACTGGAAAAGGATAGGTGCGGTGACGA
 GGAGAAGAAGCAGCTTGAGTTGGGGAAGGAGACCAAGAAAGATCTGAGGAAGGCCAGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202201 protein sequence
 Red=Cloning site Green=Tags(s)

MALHTVLIILSLLPMLAQNPENFTIGEPITNETLSWLSKWFMMGAAFRKLLEYRQAIQTMQSEFFYL
 TTNLINDTIELRESQTIQDQCVYNSTHLGFQRENGTFSKYEGGVETFAHLIVLRKHGAFMLAFDLKDEKK
 RGLSLYAKRPDITPELQEVFQKAVTHVGMDESEIIFVDWKKDRCGQEKQLELGKETKKDPEEGQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008768

ORF Size: 624 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_008768.1](#), [NM_008768.2](#), [NP_032794.1](#)

RefSeq Size: 768 bp

RefSeq ORF: 624 bp

Locus ID: 18405

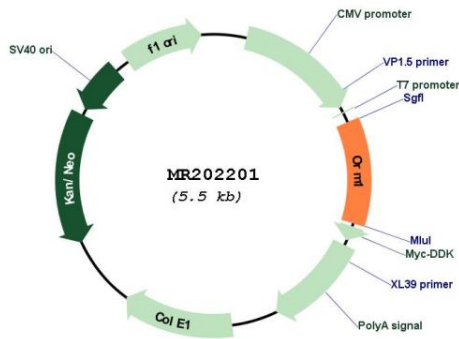
UniProt ID: [Q60590](#)

Cytogenetics: 4 33.96 cM

MW: 23.9 kDa

Gene Summary: This gene encodes a member of the lipocalin family of proteins. The encoded protein is an abundant acute-phase protein that is synthesized by hepatocytes in response to cytokines during the acute phase response. The encoded protein may regulate inflammation and metabolism. This gene is present in a gene cluster on chromosome 4. [provided by RefSeq, Aug 2015]

Product images:



Circular map for MR202201